

REMARKS

The Application has been carefully reviewed in light of the Office Action dated March 2, 2004 (Paper No.15). Claims 1 to 3, 11 to 15, 17, 19, 21, 32, 40 and 41 are in the application, of which Claims 1, 21 and 32 are the independent claims. Claims 4 to 10, 16, 18, 20, 22 to 31 and 33 to 39 are being canceled without prejudice or disclaimer of the subject matter. Claims 1 to 3, 11 to 15, 17, 19, 21 and 32 are being amended, and Claims 40 and 41 are being added. Reconsideration and further examination are respectfully requested.

Claims 1, 5 to 7, 9, 11 to 14, 21, 24 to 32 and 34 to 39 are rejected over U.S. Patent Nos. 6,219,015 (Bloom), 6,115,084 (Miyashita) and 6,590,606 (Hiller), and Claims 2 to 4, 8, 10, 15 to 20, 22, 23 and 33 are rejected over Bloom, Miyashita, Hiller and U.S. Patent No. 6,317,112 (Handschy).

Without conceding the correctness of the rejections, Claims 4 to 10, 16, 18, 20, 22 to 31 and 33 to 39 are being cancelled. Reconsideration and withdrawal of the rejection of pending claims are respectfully requested for the following reasons.

The present invention generally concerns displaying images, where incident light is modulated by a space modulator according to input display data, and output. A plurality of light beams are illuminated onto the space modulator. Light emitted from the space modulator is projected on an image display screen. According to the present invention, an illumination cycle having multiple periods, which includes periods for illuminating with lights of first, second and third different colors, which are not white, and two discontinuous periods for illuminating with white light.

Thus, the present invention has the features of: 1) an illumination cycle having a plurality of periods including at least periods for illuminating with lights of first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light.

The applied art, namely Bloom, Miyashita, Handschy and Hiller, is not seen to disclose these features.

It is conceded in the Office Action that Bloom does not disclose the feature of providing a white light illumination period and illumination periods for each light beam having different colors.

Miyashita is not seen to remedy the noted deficiencies of Bloom.

Miyashita is seen to describe a display projector in which an input video signal is corrected using both digital and analogue techniques to perform gamma correction, the display projector having a light source that emits a white light which is separated into three primary colored light beams, and three liquid crystal light valves, (925R, 925G and 925B of Figure 19 of Miyashita) which modulate the separated light beams based on the input video signals. (See Miyashita, Abstract, col. 3, line 66 to col. 4, line 55 and Figure 19.)

The description found at col. 11, lines 7 to 56 of Miyashita is seen to describe emitters 944, 945 and 946 (shown in Figure 19 of Miyashita) of the color separation system from which the three separated primary colors are emitted. Separating a white light beam into three primary colors and then modulating the three separate light beams is not seen to be the same as an illumination cycle having a plurality of periods

including at least periods for illuminating with lights of first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light.

The cited portions of Hiller have been reviewed and are not seen to disclose an illumination cycle having a plurality of periods including at least periods for illuminating with lights of first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light.

Handschy has also been reviewed and is also not seen to disclose each and every feature of the invention.

Accordingly, since the applied art is not seen to disclose an illumination cycle having a plurality of periods including at least periods for illuminating with lights of first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light., Claims 1, 21 and 32 are believed to be in condition for allowance.

The remaining claims are each dependent from the independent claims discussed above and are therefore believed patentable for the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.

In view of the foregoing, the entire application is believed to be in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

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Respectfully submitted,


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